

UHF 4-PORT READER IDT-404 I

Designed using Impinj R2000 module



LED



IP 64



Impinj
R2000 Module



UHF RFID



Easy
Installation

IDT 404 I is purposely designed for faster, more accurate read rates and more consistent performance even in challenging environments. It has compact form-factor, autonomous on-board state machine with Flexible connectivity via LAN, USB, Serial & GPIO. State-of-the-art performance with over 450 tags reading per second. It has enterprise class 4-port flexibility to connect appropriate antennas as per the required reading rate and range. Based on efficient digital signal processing algorithm and powered by Impinj R2000 Chip, it supports fast tag read/write operation with high identification rate. It can be widely applied in many RFID application systems such as Logistics, Access Control, Anti-Counterfeit and Industrial Production Process Control System and others.

PHYSICAL PARAMETERS

Dimensions	310mm x 210mm x 41mm
Processor	Impinj R2000 Chip
Weight	2 Kg
Power Supply	100-240V AC, DC+9V (Power Adapter)
Current Dissipation	0.5 to 1.2 A
Interfaces	RS232, RS485, USB (Host / Slave), GPIO, TCP/IP
Indicators	Buzzer & LED (Power, RF, Read, Fault)
Housing	Robust Aluminium Body

ENVIRONMENTAL SPECIFICATION

Temperature	-25°C to +65°C (Operating), -25°C to +75°C (Storage)
Humidity	5% RH - 95% RH non condensing
Protection Class	IP 64

UHF RFID

Work Frequency	Standard ISM 865-867 MHz (IND),865-868 MHz (EU), 902-928 MHz (US)
Air Interface Protocol	ISO18000-6B, EPC Class 1 Gen2 (ISO18000-6C)
Read Rate	450 Tags/second
Reading Range	Up to 15m
Antenna	4 TNC Antenna Ports support Antenna Auto-Tuning and Antenna Testing
Max Receiver Sensitivity	-82dBm
Operating Mode	Auto-Running, Interactive and Trigger-Activating
SDP	Provided DLL and Demonstration Software Source code to Facilitate Further Development
Power Output	0-30dBm (adjustable)
Frequency Hopping	FHSS or Fix Frequency Transmission

ORDER INFORMATION

Part Number	IDT.UHF.404.I
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APPLICATION AREA



Parking Lot Management



Electronic Toll Management



Warehouse Management



Employee/ Student Tracking



Vehicle Access Management



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The product specifications and descriptions listed in the specification sheet are subject to change anytime without notice.

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